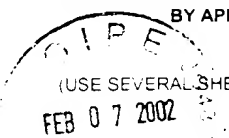
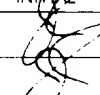
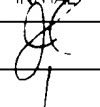
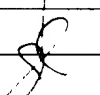



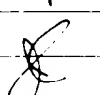
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO UC072 001A	APPLICATION NO 09.990.613
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)  		APPLICANT WU et al	
		FILING DATE November 21, 2001	GROUP <del>455</del>

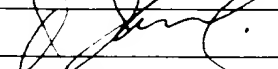
## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	6,136,539	10/24/00	Basbaum et al	435	6	02/11/99
	2	US 670,747 B1	08/07/01	Nadel et al	424	9.2	08/17/99


## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	3	JP9012473A2	14 01 97	Japan				X
	4	WO 99/4127C	19 08 99	PCT			X	
	5	WO 00/04142	27.01.00	PCT			X	
	6	WO 01/54685 A1	02.08.01	PCT			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	7.	Bernacki et al., "Mucin Gene Expression during Differentiation of Human Airway Epithelia <i>In Vitro</i> . MUC4 and MUC5B Are Strongly Induced." <i>American Journal of Respiratory Cell and Molecular Biology</i> , 20(4): 595-604 (1999).
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	11.	Desseyn et al., "Genomic organization of the 3' region of the human mucin gene MUC5B." <i>J. Biol. Chem.</i> , 272(27): 16873-16883 (July 4, 1997).
	12.	Desseyn et al., "Genomic organization of the human mucin gene MUC5B." <i>J. Biol. Chem.</i> , 273(46): 30157-30164 (November 13, 1998).
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	17.	GenBank Accession No. X74955, Laine, H. sapiens MUC5B mRNA (clone JER57) for mucin (partial). Released June 12, 1996.
	18.	GenBank Accession No. Z48314, Lesuffleur, H. sapiens mRNA for apomucin. Released August 2, 1995.

EXAMINER 	DATE CONSIDERED 4/23/03
<b>*EXAMINER</b> INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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		FILING DATE November 21, 2001	GROUP <del>None</del>

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	19. GenBank Accession No. Z72496. Laine, H. sapiens MUC5B gene (partial). Released August 20, 1997.
	20. GenBank Accession Number AJ004862. Laine, Homo sapiens partial MUC5B gene, exon 1-29. Released March 10, 2000.
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	22. Hovenberg et al., "Different mucins are produced by the surface epithelium and the submucosa in human trachea: identification of MUC5AC as a major mucin from the goblet cells," <i>Biochem. J.</i> , 318(Pt. 1, Vol. 17):319-324 (1996).
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	31. Louahed et al., "Interleukin-9 upregulates mucus expression in the airways," <i>Am. J. Respir. Cell Mol. Biol.</i> , 22:649-656 (2000).
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DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT

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(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE November 21, 2001	GROUP <del>700</del>

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
[Signature]	43.	Van Seuning et al., "Sequence of the 5'-flanking region and promoter activity of the human mucin gene MUC5B in different phenotypes of colon cancer cells." <i>Biochem. J.</i> , 348(Pt. 3):675-686 (June 15, 2000).
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[Signature]	45.	Wu et al., "Growth and differentiation of conducting airway epithelial cells in culture." <i>European Respiratory Journal</i> , 10(10):2398-2403 (1997).
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